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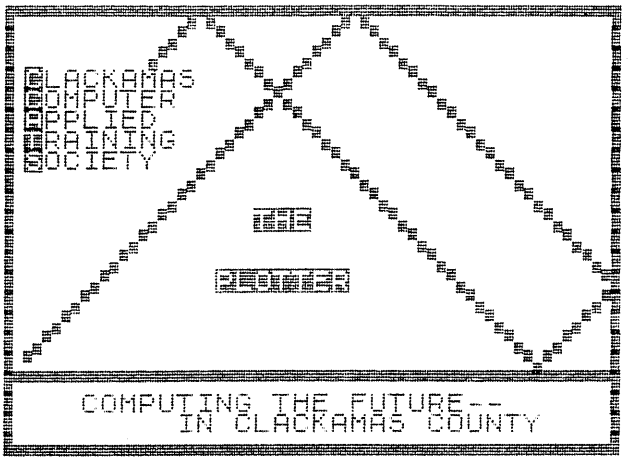
THE PLOTTER

CLACKAMAS COMPUTER APPLIED
TRAINING SOCIETY
NEWS LETTER
****
VOLUME 11 ** NUMBER 8

******
AUGUST 1993



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MEETING

The AUGUST meeting will be:

on: SUN., AUGUST 15 1993

MEETING open at: 1:00 P.M.
in: COMMUNITY ROOM
FAR WEST FEDERAL BANK
OREGON CITY SHOPPING CENTER

WHAT YOU WILL FIND IN THIS ISSUE:

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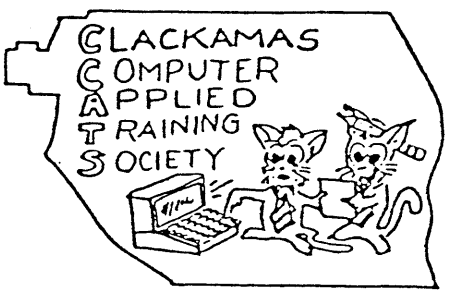
FROM THE EDITOR'S DESK

Having a rather limited area of contact in the co mputer world, and on reduced computer time from spending so much time with my wife due to her infliction with Alzheimer disease, I kind of flounder around, searching for ideas to use in this newsletter.

I recently learned that my #1 son is writing a large book on the subject of computers and short wave radio, namely using a Packit system in place of modems. It is a "nuts and bolts" book, starting at the beginning level and working up through very advanved operation. He leaves the technical material for the appendix which he is now working on. Probably about 100 pages for this part. The original I saw is 8 1/2 X 11 format printed with a Hewlit Packard Bubble jet printer, VERY nice looking. When I learn more about this publication I will work up a report. Maybe we will get a "scoop" on this story.

I have been thinking of investing in a well-used MAC computer as 2 of my sons are users. My youngest son is a MS clone user for his business (3 computers) plus a XENIX machine.

>> >>



Continued from page 1
This is one way of staying in contact. The big problem is finding the time to learn to operate a new system--one reason for staying away from WINDOWS. I also need to find time to study up on licensing requirements for 2 METER radio. That was going to be done last winter and here I haven't even cracked the book yet. As code is not required for this limited license it sure is the time to get the license. Packit communication would be nice with my son who lives 80 miles from us.

BYTE magazine carries an article about the complexity of computer operation and how it is turning businesses away from the latest programs and operting systems. Just too difficult to train computer operators. Better to stay with what they understand and can use. While one person may be that one who can learn the system and programs, what does the business do when that person is sick, or decides to leave the company? This seems to be the availability of an "ideal" system programmed to do all kinds of fantastic things, most of which a business does not need or want. I can see why specialized programs for certain business, maybe programmed by a person familiar with that business, can sell whereas an all purpose program would be a disaster for a business.

Writing about BYTE magazine reminds me that there are so many "words" in caps and abreviations that my reading seems to start with the letters column and then skim thru the articles to see if there is one I can somewhat understand. Now, PC NOVICE magazine is something else as EVERY article takes time to inform the reader what the abreviations mean. It is better than PC TODAY in this respect.

Not wishing to bring up the MSCRIPT V5.3 word processor too much, I have a short article on solving a problem using an Epson LQ-570 printer with this WP. Probly very few users of this combination out there but this may be a problem with some other printers.

HEALTH DANGER!

Dick Wagner

A recent article in our local newspaper answered some questions concerning intense excercise (also strenuous labor?) under high heat-humidity conditions.

We do not experience the conditions in the Northwest west of the Cascade mountain range that would be identified as DANGER and EMERGENCY. It would seem to be of interest for the Atlantic and some Mid continental regions so I considered it to be of timely interest for some weeks.

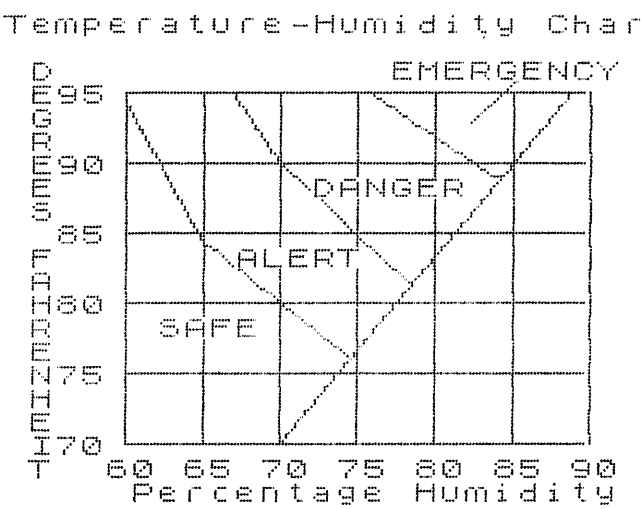
The chart shows the danger zone to be between (82 degrees, 78% humidity and extends to 85 degrees, 75% humidity) and extends to (90 degrees, 70% humidity and 95 degrees, 67% humidity). Above the upper line is the emergency zone. Below the lower line we have an alert zone.

Michael O'Shea, Ph.D. has developed this information in conjunction with his Sports Training Institute.

His advice--the symptoms of heat exhaustion includes a weak and rapid pulse, headache, dizziness and general weakness. (If you experience these symptoms while excercising, stop and move to a cool spot). Heat stroke is much more serious. The skin becomes dry and hot, and the circulatory system is under great strain. Death can result. Immediate medical attention is required.

For a copy of this chart just key in the following program. Use a screen dump that works with your printer to make copies of the chart for your friends. I used Dohany's USE9

program to make this picture. I don't get a 1:1 aspect ratio because my Epson LQ-570 printer doesn't have a 72 pixels per line inch. I used 60. If I can get into the USE9 program I think I can get 5/360 for 24 pin printing which gives 72 pixels per inch.




```
 100 PRINT AT 1,3;"Temperature-H
umidity Chart"
 150 PLOT 38,20: DRAW 0,120
 160 PLOT 62,20: DRAW 0,120
 170 PLOT 86,20: DRAW 0,120
 180 PLOT 110,20: DRAW 0,120
 190 PLOT 134,20: DRAW 0,120
 200 PLOT 158,20: DRAW 0,120
 210 PLOT 182,20: DRAW 0,120
 230 REM print horizontaL lines
 240 PLOT 38,20: DRAW 142,0
 250 PLOT 38,44: DRAW 142,0
 260 PLOT 38,68: DRAW 142,0
 270 PLOT 38,92: DRAW 142,0
 280 PLOT 38,116: DRAW 142,0
 290 PLOT 38,140: DRAW 142,0
 300 PRINT AT 20,4;"60";AT 20,7;
"65";AT 20,10;"70";AT 20,13;"75"
;AT 20,16;"80";AT 20,19;"85";AT
20,22;"90"
 310 PRINT AT 21,5;"Percentage H
umidity"
 350 PRINT AT 4,2;"95";AT 7,2;"9
0";AT 10,2;"85";AT 13,2;"80";AT
16,2;"75";AT 19,2;"70"
 370 PRINT AT 3,1;"D";AT 4,1;"E"
;AT 5,1;"G";AT 6,1;"R";AT 7,1;"E
";AT 8,1;"E";AT 9,1;"S"
 380 PRINT AT 11,1;"F";AT 12,1;"
A";AT 13,1;"H";AT 14,1;"R";AT 15
,1;"E";AT 16,1;"N";AT 17,1;"H";A
T 18,1;"E";AT 19,1;"I";AT 20,1;"
T"
 400 PLOT 86,20: DRAW 90,120
 450 PLOT 107,50: DRAW -45,39
 460 DRAW -24,47
 470 PLOT 127,74: DRAW -41,42
 480 DRAW -15,24
 490 PLOT 154,110: DRAW -39,29
 500 PRINT AT 14,6;"SAFE"
 510 PRINT AT 11,9;"ALERT"
 520 PRINT AT 8,12;"DANGER"
 530 PRINT AT 3,20;"EMERGENCY"
 540 PLOT 145,130: DRAW 14,14
```

A 2068 BUG

Dick F. Wagner

This bug is common only to a few DOHANY EPROM conversions, probably limited to the Spectrum-TS 2068 units he has produced. I cannot obtain an underline by using the SS "0" keys in the TS 2068 mode but the Spectrum mode works. There is no problem in obtaining an underline with word processors, only in the programming mode.

This short routine will do the job of inserting underlines by using CODE 95 in place of the special keys. The main disadvantage would seem to be in publishing a program with this odd method.

The alternative is to switch to Spectrum mode at the beginning .

```
  10 PRINT "This is a test of un
derline"
  20 OVER 1
  30 FOR n=1 TO 9
  40 PRINT AT 0,17+n;CHR$ 95;: N
EXT n: OVER 0
```

RMG UPDATE NEWS FOR AUGUST 1993

VOLUME 5 NUMBER 8

We would like to hear from you! If you have something that you think we or our readers would be interested in hearing about, please call or write! We will pass it on!

** RMG NEWS **

We are a bit late this month. I hope no one minds. After all, it is the summer and the outdoor works needs doing!

RMG now has VOICEMAIL! If you call our FAX line at 503-655-4116 you will get the computer operator who will tell you that "This line is normally used for facsimile transmission. Press any key to leave a voice message." If you do so, you can leave up to a 60 second message for us. We are renting mailboxes locally and hope to add a third telephone line when traffic warrants it. This voicemail line offers you the ability to leave a message on either of our lines or send us a FAX.

Our "after-move" sale did not draw too much interest so we will run it until the end of September to allow for the summer slump. The specials on the TS items will be in effect until 9/30/93.

As you can see, we are again adding another page to our consignment sales sheets. We hope that you will find something you can't live without! If you have som items gathering dust in the closet, maybe we can help you sell them. Write or call and we will see want we can do for you.

We want to thank all of you new subscribers out there. We hope that we can serve you both as your supplier and as your salesman if you want to sell your unused items.

THE BEST OF THE PLOTTER continues to be worked on. Don't lose hope. It will be along as soon as we get it ready!

KEEP WATCHIN' FOR MORE NEWS!

Rod Gowen, Owner, RMG Enterprises
14784 South Quail Grove Circle, Oregon City, OR 97045
503/655-7484 8AM-6PM PT * FAX: 503/655-4116 24 HRS

VOICE MAIL!

by: Rod Gowen

Surely you've heard of VOICEMAIL by this time! It seems like almost every time I call a company I get a computer which tells me that I have reached the voicemail box of someone or other and that I may leave a message if I so desire. I do not mind this so much as I did not mind the answering machine when it arrived on the scene. Some folks have a problem talking to a machine and will fare no better with voicemail.

Voicemail does have a lot of advantages over the common answering machine. You can remotely record out-going messages as well as access your mailbox to listen to, delete or save your mail. You can change, record or delete out-going messages. You can access other mailboxes, if you know their number, and leave mail for them. All of the mailboxes are password protected for complete privacy. Not even the system operator can get into the mailboxes!

There are several companies putting out the hardware and software to set up voicemail on a computer. I did a lot of investigating and came to the conclusion that the COMPLETE COMMUNICATOR from THE COMPLETE PC was the best for the money. They have 2 models--one with the basics--a 9600 baud send/receive FAX and 2400 baud modem, and one with a 9600 baud modem and CALLER ID added as well. The one with the better features is called THE COMPLETE COMMUNICATOR GOLD. They sell for $499 and $799 respectively. As these are retail prices, you can always find them for less. RMG sells them for $300 and $550 plus shipping.

The software to operate the system is very easy to install and the system came up running on my first try. It can be run on an XT but performance is optimum on an AT with some added ram to allow the system to operate in the background. It does very well on the 286/16 that I have it running in. I can be doing other things on the computer and it will answer the phone and accept mail or FAXes with no problem. I can then even print out the FAXes in the background without tying up the computer while a graphics FAX is being printed. The software is all menu driven and VERY easy to understand. The three components--FAX, CAM (Complete Answering Machine) and terminal software are all accessed from the main menu. If you receive a FAX or voicemail, a little red box appears at the lower right of the display. One for FAX and one for MAIL. They stay there until you take care of the incoming item either by deleting it or saving it. I had one major complaint about my previous FAX card. It used Quick Link 2 software and this package would write a 238 byte file to the hard drive EVERY TIME THE PHONE RANG ON THE FAX LINE! It did not matter whether the caller hung up or not! The folks at The Complete PC do not allow that to happen. If the computer answers the phone and the caller hangs up, NOTHING is written to the disk.

If you would like to call RMG on our new FAX/Voicemail line, go right ahead. The system came with some pre-recorded out-going messages that suit us well. A nice female voice answerers with "This line is normally used for facsimile transmissions. If you wish to leave a voice message, please press any key...". If you do not press a key on a touch-tone phone, it assumes that a FAX machine is calling and waits for the signal. If you do touch a key, the CAM (Complete Answering Machine) takes over and she tells you that no one is available to help at the moment but you may leave a message after the tone and press the pound "#" symbol when finished or the star "*" to listen to what you have recorded. Much better than a regular answering machine. Haven't you ever talked to an answering machine and realized that what you said was incorrect or you wished that you could delete it altogether? I have and this unit allows you to do just that. You can add to, erase and start over or delete and quit. If you know someone's voicemail box number and wish to leave that person a message,

you can simply press the box number while th lady is telling you that no one is available to help you. It will sound as though you simply started over, unless the box owner has recorded his/her own outgoing message, but you will then be able to leave a message in that box. If you are that box's owner you can enter your password (number) and be given the menu that allows you to listen to, delete or save messages as well as change your password, record new outgoing messages and other things.

If this all sounds complicated, it is not really. In fact, after one or two calls you will feel right at home as a box owner.

I hope that this short overview of voicemail has been of some interest to our readers. I hope to do more reviews of various hardware and software products in the future. If you have something that you are wondering about, ask! We may have already tried it and can share our experiences with our readers.

PRINTERS AND MSCRIPT

Dick F. Wagner

Since putting a new printer, Epson LQ-507 into service, I have been unsuccessful in printing the bottom border of page 1 and the borders of page 8. As a review, I am using a 2068 computer, Oliger printer IF, and SAFE disk system. The printer just doesn't print the graphic character CODE 232.

The Oliger printer IF uses two pokes, 23300,60 and 23301,3 in place of the usual LET /P=0 to activate the system when using LPRINT to send codes. I added a line 7 to the DOHANY MSCRIPT V 5.3 to include these two pokes, and then resaved the program with the BACKUP command. Now it works correctly. Be sure and use a different name and then rearrange the dirctory later. I have a MSCRIPT proram on each disk that carries my programs, text, etc for the news letter. This makes it easy to load in the word processor at any time.

APPLE PROBLEM

Dick Wagner

This short story problem is for the student in your family who is working up through math and who has some experience with story problems. This is a true life problem and not just made up. I put it into story form to make it more interesting

It might take a little explaining about typing in fractions. The process can be considered as the addition of a fraction to a whole number. Example-- 5 1/2 is actually 5+1/2. The computer doesn't recognize the number the way we use it.

```
 1 PRINT "This is a story prob
lem for      students who can wor
k simple     story problems."
 10 PRINT : PRINT "DICK is fond
 of home made apple sauce and us
es some apples the  size of soft
 balls to make       apple sauce.
 They are called     CRISPEN appl
es."
 20 PRINT : PRINT "The Fir Poin
t produce stand thatsells CRISPE
N apples is only a  few miles fr
om his home."
 30 PRINT : PRINT "A big bin ho
lding these apples  has a sign s
tapped to its side that says ""
45 CENTS A POUND. 10 POUNDS AND
OVER 35 CENTS A POUND""."
 40 PRINT : PRINT "DICK picks o
ut 8 apples and     hands them t
o the clerk who     weighs them
and finds he has    7 3/4 pounds
"
 50 PRINT : PRINT "How much wil
l the apples cost?": INPUT C
 52 IF C<>3.49 THEN PRINT "Wron
g, try again.": GO TO 50
 55 IF C=3.49 THEN PRINT "Corre
ct,$3.49 for 7 3/4 pounds.": GO
TO 60
 60 PRINT : PRINT "The clerk sa
ys that he can add  more apples
for a few cents     more, if he
has 10 or more      pounds."
 70 PRINT : PRINT "How many pou
nds must be added   to 7 3/4 pou
nds to get them for $3.50 (a tot
al of 10 pounds)?   NOTE:a whole
 number plus a      fraction mus
t be like 3+5/8.": INPUT P
```

```
  72: IF P<>2+1/4 THEN PRINT "Wr
ong, try again.": GO TO 70
  75 IF P=2+1/4 THEN PRINT "Corr
ect, 2 1/4 pounds"
  80 PRINT : PRINT "If 8 apples
weigh 7 3/4 pounds, about how ma
ny more apples must he get out o
f the bin to make   at least 10
pounds?": INPUT A
  82 IF a<>3 THEN PRINT "Wrong,
try again": GO TO 80
  85 IF A=3 THEN PRINT "Correct,
 3 apples."
  90 PRINT : PRINT "DICK picks o
ut 3 more apples    and finds th
at he has enough    now to weigh
 10 1/2 pounds."
 100 PRINT : PRINT "How much wil
l the apples cost DICK?": INPUT
C
 110 IF C<>3.68 THEN GO TO 100
 120 IF C=3.68 THEN PRINT "Corre
ct, $3.68 for 10 1/2 pounds of a
pples."
```

PRINTER CODES

Dick Wagner

For some unknown reason I have been having difficulty in sending other than simple printer codes from my Oliger IF to my Epson QL-570 printer by using LPRINT. The Oliger system is a bit touchy on this. In reviewing the Oliger file I found the following program from John that addresses this subject.

This program uses OUT 127,n thus addressing the IF port 127. John's explanation is that I must be sure the printer is ready to accept a control code, and then send it directly out PORT 127. Bill Jones wrote on this subject in UPDATE one time. However John thought he wasn't completely correct. I have used the OUT 127,n in direct mode to set up the printer but LPRINT seems to be handier. Anyway, INKEY$ #3 will return the letter "R" if the printer is ready to receive, or the letter "B" if busy. In this day of large printer memory I am not sure that this interrogation is necessary.

The second program uses 2 POKEs to eliminate LET /P=0. Actually, these pokes enter different code in the MC so if LET /P=0 is used after the pokes their input is changed. This apparently has made it possible to use the LPRINT command.

```
   1 GO TO 10
   5 IF INKEY$#3="B" THEN GO TO
5
   6 OUT 127,x: RETURN
   8 REM lines 5 and 6 send code
 in variable x to the printer
  10 PRINT
  20 LET x=27: GO SUB 5: LET x=C
ODE "K": GO SUB 5
  21 LET x=8: GO SUB 5: LET x=0:
 GO SUB 5
  30 FOR I=1 TO 8: READ x: GO SU
B 5: NEXT I
  40 DATA 255,129,129,129,129,12
9,129,255
  50 REM this prints a square of
 8 columns and 8 lines in pixels
```

```
 100 POKE 23300,60: POKE 23301,3
 105 REM graphic code for Epson
QL-570, 50 column line
 110 LPRINT CHR$ 27;CHR$ 42;CHR$
 0;CHR$ 50;CHR$ 0;
 120 FOR x=1 TO 50
 125 REM print 4 parallel lines
50 columns long
```

```
 100 POKE 23300,60: POKE 23301,3
 105 REM graphic code for Epson
QL-570, 50 column line
 110 LPRINT CHR$ 27;CHR$ 42;CHR$
 0;CHR$ 50;CHR$ 0;
 120 FOR x=1 TO 50
 125 REM print 4 parallel lines
50 columns long
 130 LPRINT CHR$ 85;
 140 NEXT x
 150 LPRINT CHR$ 10;
```

HOW TO SELL YOUR COMPUTER

With a surplus of used computers on the market, ingenious ideas seem to be required to make a sale. I recently noticed this ad in our local advertising paper. Now, just what does the seller think about in offering "funeral expenses"? At $1200, that's a pretty good price with the MAC computer thrown in! If any reader out there is interested, the Oregon area code is 503.

...ALL FOR, $1200/OBO, 644-8162.

MAC CLASSIC 4-meg/40-HD, Stylewriter printer, keyboard, mouse, extended warranty, funeral expenses. $1200. Scott 285-3129 evenings.

COMPUTER REPAIR

—NOTICE—

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